

a1 the primary and secondary clearances are ground simultaneously, the operator need only perform the grinding operation once.--

IN THE CLAIMS

Please amend the claims as follows:

1. (Amended) An end mill grinder for grinding an end mill having a plurality of primary and secondary clearances, the end mill grinder comprising:

a first grinding wheel for grinding the primary clearances of the end mill;

a second grinding wheel for grinding the secondary clearances of the end mill, said second grinding wheel located adjacent to said first grind wheel;

a2 means for rotating said first grinding wheel;

means for rotating said second grinding wheel;

a carriage located adjacent to said first and second grinding wheels;

a finger guide attached to the carriage, said finger guide guiding the end mill moving towards said first and second grinding wheels to simultaneously allow said first grinding wheel to grind the primary clearances and said second grind wheel to grind the secondary clearances of the end mill;  
and

an end mill retainer for holding the end mill, said end mill retainer attached to the carriage.

14. (Amended) An end mill grinder for grinding an end mill having a plurality of primary and secondary clearances, the end mill grinder comprising:

a first grinding wheel for grinding the primary clearances of the end mill;

a second grinding wheel for grinding the secondary clearances of the end mill, said second grinding wheel located adjacent said first grind wheel;

means for rotating said first grinding wheel;

means for rotating said second grinding wheel;

means for independently adjusting a position of the first grinding wheel;

means for independently adjusting a position of the second grinding wheel;

a carriage located adjacent to said first and second grinding wheels, said carriage having a finger guide and being rotatable to allow the end mill to be positioned on said finger guide prior to contacting said first and second grinding wheels;

the finger guide guiding the end mill to simultaneously allow the first grinding wheel to grind the primary clearances and the second grinding wheel to grind the secondary clearances of the end mill; and

an end mill retainer attached to the carriage for holding the end mill, said retainer allowing rotation and horizontal movement of the end mill.

#### IN THE DRAWINGS

It is respectfully requested that the Examiner approve the changes to the drawings (FIGs. 4 and 5) indicated in red in the attached Drawing Change Authorization Request.